

Product datasheet for TP527024

Dnajc3 (NM_008929) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DnaJ heat shock protein family (Hsp40) member C3 (Dnajc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227024 representing NM_008929 Red =Cloning site Green =Tags(s)
	<p>MVAPGSVGSRLGAVFPFLVLVDLQYEGAECGVNADVEKHLELGKKLLAAGQLADALSQFHAAVDGDPPDN YIAYRRATVFLAMGKSKAALPDLTKVIALKMDFTAARLQRGHLLKQGKLEAEDDFKKVLKSNPSEQE EKEAESQLVKADEMQRRLSQALDAFDGADYTAAITFLDKILEVCVWDAELRELRAECFIKEGEPKAIKD LKAASKLKSNDTEAFYKISTLYYQLGDHELSEVRECLKLDQDHRKRCFAHYKQVKKLNKLIESAEELIR DGRYTDATSKYESVMKTEPSVAEYTVRSKERICHCFKDEKPVFAIRICSEVLQMEPDNVNALKDRAEAY LIEEMYDEAIQDYEAQEHNNENDQQIREGLEKAQRLLKQSQKRDYKILGVKRNAAKQEIHKAYRKLALQ WHPDNFQNEEEKKAEKKFIDIAAAKEVLSDPPEMRKKFDDGEDPLDAESQQGGGGNPFHRSWNSWQGFNP FSSGGPFRFKFHFN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	57.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_032955</u>



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Locus ID: 100037258

UniProt ID: [Q91YW3](#), [Q3UFV9](#)

RefSeq Size: 5190

Cytogenetics: 14 E4

RefSeq ORF: 1512

Synonyms: AA408985; AU067833; Dnajc3a; Dnajc3b; mp58; p58; p58IPK; Prkri

Summary: Involved in the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Acts as a negative regulator of the EIF2AK4/GCN2 kinase activity by preventing the phosphorylation of eIF-2-alpha at 'Ser-52' and hence attenuating general protein synthesis under ER stress, hypothermic and amino acid starving stress conditions (PubMed:25329545). Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity (By similarity).[UniProtKB/Swiss-Prot Function]